

King County DNRP Water Quality Index

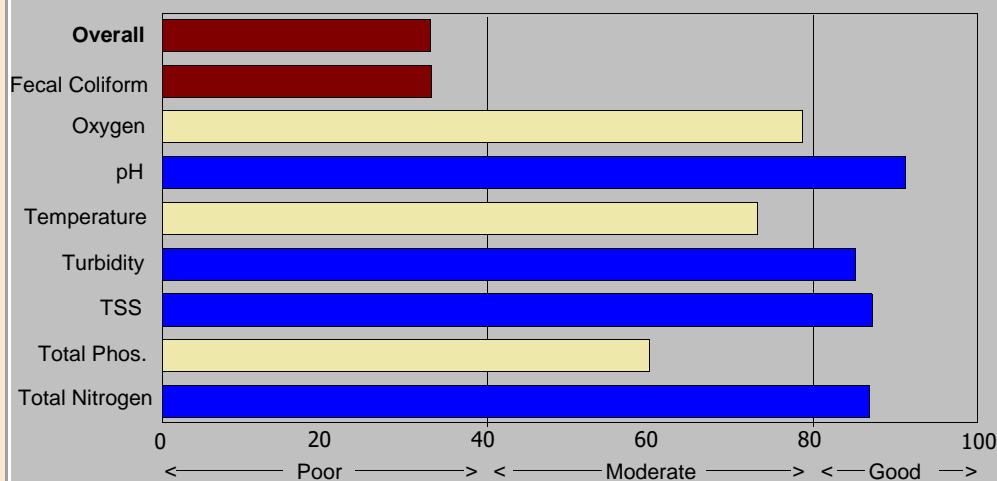
STATION **434** WATER YEAR **2018**

GAUGE # 58A Thornton Creek near Mouth, USGS 1212800 data before Overall Index **33**

King County monitors water quality in Thornton Creek at station 0434, which is located one block south of Matthews Beach. Monitoring at this station began in 1971 and continues today. The Thornton Creek basin encompasses 7,402 heavily developed acres. The creek flows 15 miles and drains into Lake Washington at Matthews Beach Park. Water quality issues have resulted from rapid urbanization in the basin. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of dissolved oxygen, fecal coliform bacteria, and temperature standards.

Annual Water Quality Index Scores

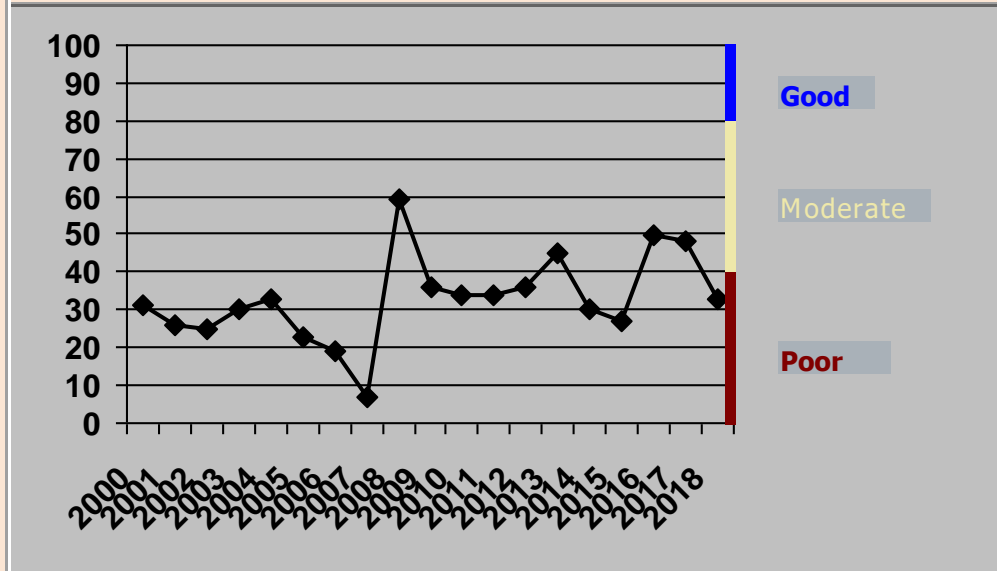
Water quality was POOR based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
86	57	84	77	62	73	74	63	15	26	59	65

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>